

## Active Recombinant Human NTRK1 Protein

Cat. No. NTRK1-163N Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NTRK1 Protein without tag was expressed in HEK 293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	34-407 aa
<b>Description</b>	Tyrosine kinase receptor A (Trk-A) is a member of the neurotrophic tyrosine kinase receptor family which includes three members: Trk-A, Trk-B and Trk-C. Trk-A is involved in the development and maturation of the central and peripheral nervous systems through regulation of proliferation, differentiation and survival of sympathetic neurons.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 1 µg/mL, measured in a neutralization assay in the presence of 10 ng/mL human β-NGF using TF-1 Cells.
<b>Molecular Mass</b>	65~85 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	APCPDACCPHGSSGLRCTR DGALDSLHHLPGAENLTELYIENQQHLQHLELRDLRG LGELRNLTIVKSGLR FVAPDAFHFTPRLSRLNLSFNALESLSWKTVQGLSLQELVLSG NPLHCSCALRWLQRWEEEG LGGVPEQKLQCHGQGPLAHMPNASC GVPTLKVQVP NASVDVGDDVLLRCQVEGRGLEQAGWILTELEQSATVMKSGGLPSLGLTLANVTSD

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LNRKNVTCWAENDVGRAEVSQVNVSPASVQLHTAVEMHHWCIPFSVDGQPAPS  
 LRWLFNGSVLNETSFIFTEFLEPAANETVRHGCLRLNQPTHVNNNGNYTLAANPFGQ  
 ASASIMAAFMDNPFEPEDPIPVVSFSPVDTNSTSGDP

**Endotoxin** < 0.2 EU/μg, determined by LAL method.

**Purity** > 95% as analyzed by SDS-PAGE.

**Storage** Lyophilized recombinant Human Tyrosine kinase receptor A remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Tyrosine kinase receptor A should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.

**Storage Buffer** Lyophilized after extensive dialysis against PBS.

**Reconstitution** Reconstituted in ddH<sub>2</sub>O or PBS at 100 μg/mL.

## GENE INFORMATION

**Gene Name** [NTRK1 neurotrophic receptor tyrosine kinase 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [NTRK1](#)

**Synonyms** NTRK1; neurotrophic receptor tyrosine kinase 1; MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA; high affinity nerve growth factor receptor; Oncogene TRK; TRK1-transforming tyrosine kinase protein; gp140trk; neurotrophic tyrosine kinase, receptor, type 1; tropomyosin-related kinase A; tyrosine kinase receptor A; EC 2.7.10.1

**Gene ID** [4914](#)

**mRNA Refseq** [NM\\_002529](#)

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**Protein Refseq** NP\_002520

**MIM** 191315

**UniProt ID** P04629

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